

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephen NAJDA
Application No.: 10/533,330
Filing date: 30 October 2003
Art Unit: 2812
Examiner: not yet assigned
Confirmation No.: 5071

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

8/5/05

Date

Noreen Lyndly

Title: QUANTUM WELL INTERMIXING IN SEMICONDUCTOR PHOTONIC DEVICES

CUSTOMER NUMBER: 43138

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(B)

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached forms PTO SB/08A and B. This Information Disclosure Statement is being filed prior to receipt of the first Office Action on the merits. Applicant encloses copies of those listed documents other than those which are US patents, US published patent applications, or which have been made of record in an application upon which Applicant relies for a priority date under 35 USC § 120. 37 CFR § 1.97(d).

Applicant respectfully requests that the Examiner consider the listed documents, and evidence that consideration of relevant portions thereof by making appropriate notations on the attached forms.

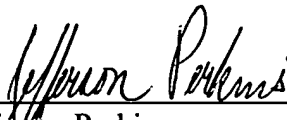
It is believed that these references either taken alone or in combination do not disclose or suggest the invention claimed by the Applicant. However, it is the Applicant's desire to have these references available in the record for both the Examiner and the public to see. The Applicant specifically reserves all rights of privilege and confidence with respect to this matter and submission of this document is not to be construed as a waiver of those rights. Moreover, submission of this document should not be considered an admission that the references cited herein are proper prior art to the aforementioned application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

No fee is thought to be due with this Information Disclosure Statement. However, if there is any fee due in connection with this submission, please charge the fee to Deposit Account No. 503138 of Daspin & Aument, LLP.

Respectfully submitted,



Jefferson Perkins
Reg. No. 31,407

DASPIN & AUMENT, LLP
210 West 22nd Street, Suite 102
Oak Brook, Illinois 60523
Telephone: (630) 990-4503

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/533,330
Filing Date	30 October 2003
First Named Inventor	Stephen NAJDA
Art Unit	2812
Examiner Name	not yet assigned
Attorney Docket Number	305832-00112

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/533,330		
		Filing Date	30 October 2003		
		First Named Inventor	Stephen NAJDA		
		Art Unit	2812		
		Examiner Name	not yet assigned		
Sheet	2	of	2	Attorney Docket Number	305832-00112

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LAIDIG, W. D. et al., "Disorder of an AlAs-GaAs superlattice by impurity diffusion", Appl. Phys. Lett. 38 (10), 15 May 1981, pp.776-778, American Institute of Physics	
		NOEL, J.-P. et al., "High-reliability blue-shifted InGaAsP/InP lasers", Appl. Phys. Lett. 69 (23), 2 Dec. 1996, pp. 3516-3518, American Institute of Physics	
		COCKERILL, T. M. et al., "Twelve-Channel Strained-Layer InGaAs-GaAs-AlGaAs Buried Heterostructure Quantum Well Laser Array for WDM Applications by Selective-Area MOCVD",	
		(continuation of above item) IEEE Photonics Technology, Vol. 6, No. 7, July 1994, pp.786-788	
		MCKEE, ANDREW et al., "Monolithic Integration in InGaAs-InGaAsP Multiple-Quantum-Well Structures Using Laser Intermixing", IEEE J. of Quantum Electronics, Vol. 33, No. 1,	
		(continuation of above item) January 1997, pp. 45 - 55.	
		LEE, A. S. W. et al., "Enhanced bandgap blue-shift in InGaAsP multiple-quantum-well laser structures by low-temperature-grown InP", Semicond. Sci. Technol. 15 (2000),	
		(continuation of above item) October 25, 2000, pp. L41 - L43, IOP Publishing Ltd., UK.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.